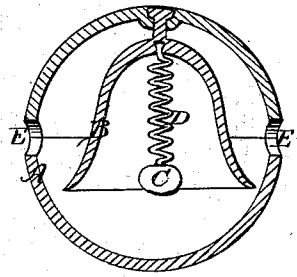
(No Model.)

E. K. HAYNES.

TOY BALL.

No. 254,768. Patented Mar. 7, 1882.



Witnesses-
Walter Rogers
Geo. Willis Pierce

Inventor
E. K. Haynes
by Wright Brown
Attys.

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

EDGAR K. HAYNES, OF BOSTON, MASSACHUSETTS, ASSIGNOR TO JOHN B. FOUHY AND JOHN P. LOWELL, BOTH OF SAME PLACE.

TOY BALL.

SPECIFICATION forming part of Letters Patent No. 254,768, dated March 7, 1882.

Application filed December 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, EDGAR K. HAYNES, of Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Toy Balls, of which the following is a specification.

This invention has for its object to provide a toy ball capable of making a musical sound when it is used as a toy; and to this end the invention consists of a hollow ball having sound-openings and a metallic bell entirely inclosed within said ball, and having a clapper mounted on a spiral spring, substantially as I will now proceed to describe.

The accompanying drawing, forming a part of this specification, represents a sectional view of a ball embodying my invention.

In carrying out my invention I make a hollow ball, A, of any suitable material—such as papier-maché, hard rubber, wood, &c. Within the ball A is inclosed a bell, B, which is suitably secured to the ball at its upper portion. The ball is composed preferably of two parts, to one of which the bell is secured before said parts are put together, said parts being subsequently united by any suitable means to form a ball. The bell is provided with a tongue or hammer, C, which is supported by a spring-shank, D, of spiral or other suitable form, which is sufficiently stiff to hold the hammer away from the sides of the bell, excepting when the ball is jarred or arrested while in motion, when the shank will allow the hammer to vibrate and strike the bell. The ball is provided with one or more orifices, E, to enable the bell to be distinctly heard.

The bell may be secured to an elastic cord and used like the ordinary return-ball, or it may be used without such cord.

The material of the ball is preferably rigid, so that it will not yield and press upon the bell so as to muffle the same. It may be made of yielding rubber, however, if desired.

It is obvious that the ball need not be a true ball or sphere, but may be more or less irregular in its form.

I claim—

The herein-described toy, consisting of the ball A, having sound-openings E E, the metal bell B, entirely inclosed within said ball, and the bell-clapper C, mounted on the spiral spring D, the said clapper being arranged to ring only when the ball is forcibly jarred and the bell being entirely protected from direct external blows, as shown.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 10th day of December, 1881.

EDGAR K. HAYNES.

Witnesses:

C. F. BROWN,

A. L. WHITE.